Use Attainability Analysis

for

WBID 1000 Clark Fork

Submitted by Aqua Missouri

To Missouri Department of Natural Resources Water Protection Program

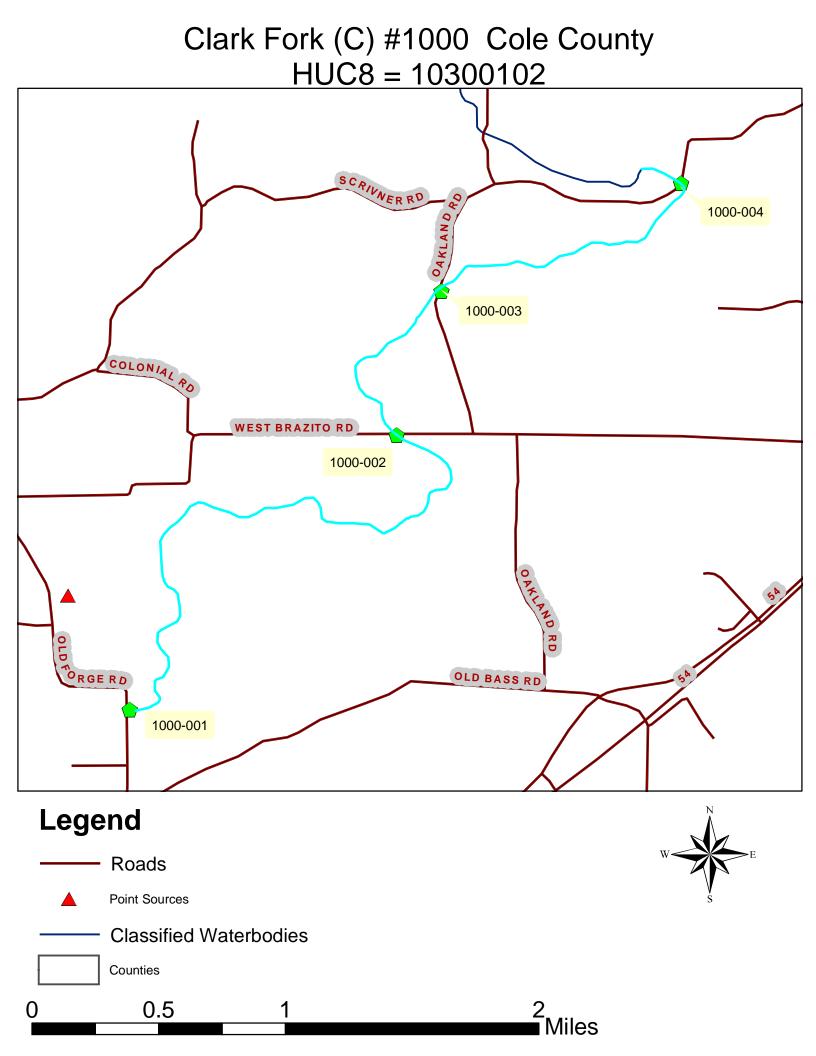
2005 JUL 13 PM 3: 08

Data Sheet A - Water Body Identification

WATER PROTECTION PROGRAM

				11717 1111	
Water Body Name (-k Fork		
8-digit HUC:	Moo:8897	86 N 10:	300102		
Missouri WBID #:	1000				
County:	Cole				
Upstream Legal De	scription:				
Downstream Legal	Description:				
Upstream Coordina	tes:				
Downstream Coord	inates:				
Discharger Facility	Name(s): Lg A	Le Carme	L		
Discharger Permit N	Number(s):	000468	6		
Number of Sites Ev	aluated:	4			
Name of Surveyor a	and Telephone Nun	nber:	Culvar	815-935-1	6530
Organization:	Sun M 13500	<u> </u>			
Position: Resid	not FAVIra	nnestel CO	melian V	UFR	
he undersigned, here asheet is true and a	eccurate.	best of my know	_	SIS-935-19 H FR Information reported	l on this UAA
Personnel KMC- DB-		Caccio			

Clark Fork (C) #1000 Cole County HUC8 = 10300102 SCRIVNERRO 1000-004 1000-003 COLONIAL PO 1000-002 ORGERD OLD BASS RD 1000-001 Legend Roads **Point Sources Classified Waterbodies** Counties 0.5 2 ■ Miles



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

			1				
Missouri	WBID#:	00-001			Site Location Des	scription: Up Steen y	How streen uf
Site GPS	Coordinates:				layoun out	fa//-	,
Date & T	ime: 7/12	105 4:0	6		Facility Name: /	alle Carmel	
Personnel	,	DB. THR				MO00 58 986	
Current V	Veather Conditi				Weather Condition	ons for Past 7 days:	except Ruin last nist 7
Photo Ids	: Upstream: 10	000 001 Dow	nstrear	n: 10	down Other:	Lagoon Octor	// -
Uses Obser	ved*:				,		
Swim		Skin diving		SCU	JBA diving	☐ Tubing	☐ Water skiing
	surfing	☐ Kayaking		☐ Boa		☐ Wading	Rafting
Huntin	· · · · · · · · · · · · · · · · · · ·	☐ Trapping		Fish		None of the above	Other:
l —	•		reating		~	ocumentation of evidence	
items of intere		ns*: (Mark all that p			ede recreational us	es. Attach photos of evider	ce or unusual
☐ Boatir	ig accesses	State parks	□ Na	tional	forests	☐ Nature trails	☐ Stairs/walkway
☐ No tre	spass sign	Fence (2)	☐ St	eep sloj	pes	Other: Difficult	TO Access
Evidence of	f Human Us	e*:					
Roads		☐ Foot paths/pri	nts	D	ock/platform	Livestock Watering	RV / ATV Tracks
Rope	swings	Camping Sites		☐ Fi	re pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
Other					NONE	> _	
other items	that may be o	of interest. (Incl	ide ph	otogra	aphs)	nent sites clearly labele	·
		not intended to direct need further analysis				ne particular recreational u	se analysis but
	:						
Septe	mber 29, 2004	I.a	st print	ed 5/17	/2005 8:18 AM		Page 1

Data Sheet B - Site Characterization

Page Two - WBID #_/0@: 00/

tream Mor		rsiaal Di	imensions:					
Riffle	Width (ft):	Sical D	Length (ft):	Avg.	Depth (ft):	Ma	x. Depth (f	}).
Run		1.5	Length (ft):			,	x. Depth (f	
Pool	Width (ft):	103	Length (ft):		Depth (ft):	1110	x. Depth (fi	104
Flow	Present?	Yes	□ No					solable
						Not	7121	3014812
		Physical	Dimensions:					
Riffle	Width (ft):		Length (ft):	Avg.	Depth (ft):	Ma	x. Depth (fl	t):
Run	Width (ft):	1.51	Length (ft):	Avg.	Depth (ft):	Ma	x. Depth (fl	t): 1.5 A
☐ Pool	Width (ft):		Length (ft):	Avg.	Depth (ft):	Ma	x. Depth (fl	t):
Flow	Present?	Yes	□ No	Estin	nated (ft ³ /sec):	Not	Measo	neuble -
ubstrata*•	(Those rolly)	a ahauld	add up to 100%.)					
	6 Cobble		6 Gravel	0 % Sand	50 % Silt	% M	ud/Clay	% Bedrock
	The state of the s			The second secon	The second desired and the second			, o Dour ook
quatic Veg	etation*: (note amo	unt of vegetation	or algal growth at	the assessment site)			
	N	6						
Vater Char	acteristics	*: (Mark	all that apply.)					
Odor:		Sewage	☐ Musky	☐ Chemica	l Mone		Other:	
Color:	Ø	Clear	Green	☐ Gray	☐ Milky		Other:	
Bottom De	•	Sludge	☐ Solids	Fine sedi			Other:	
Surface De	posit:	Oil	☐ Scum	☐ Foam	None		Other:	
This information	on is not to b understandin	e used sol	lely for removal or conditions. Con	f a recreational use sequently, this info	cormation from in e designation but rath formation is not inten ed further analysis of	her is to pro	vide a more	e ce a
				of my knowle	dge, that all info	rmation	reported	on this UAA
atasheet is 1						/ /	,	
igned:	Ker 11	M. U	ch	D	ate:	//2/	25	
rganization:	Agua	· //	nissouri	P	ate: 4 7	. Con	o/ian	MGR
Septem	iber 29, 2004	ļ	Last print	ed 5/17/2005 8:18	3 AM			Page 2

Data Sheet B - Site Characterization
(A separate data sheet must be completed for each site)

	Missouri WBID #: /0	00-002		Site Location Do	escription: Creek Cros	sting at			
	Site GPS Coordinates:			West Bra	Site Location Description: Creek Crossing at West Brazito RD -				
	Date & Time: 7/12/2	28		Facility Name:	LA16 Carmal				
	Personnel: // Mil.	DB. THR-		Permit Number:	ions for Past 7 days: Dry	1			
	Current Weather Condition		sect	Weather Condit	ions for Past 7 days: Dry	except Rein last night			
	Photo Ids: Upstream: 16	00 -00 Z Dov	vnstream: 1	Jawn Othe	r:	7 1618 Acom			
		<u> </u>		QEOUT					
Us	es Observed*:	I		· · · · · · · · · · · · · · · · · · ·					
		Skin diving		CUBA diving	☐ Tubing	☐ Water skiing			
	☐ Wind surfing	☐ Kayaking	□ E	oating	Wading	Rafting			
	Hunting	☐ Trapping		ishing	None of the above documentation of evidence	Other:			
	rrounding Condition as of interest.) City/county parks Boating accesses	s*: (Mark all that p Playgrounds State parks	☐ MIDC	mpede recreational uconservation lands	Urban areas Nature trails	Campgrounds			
	☐ No trespass sign	Fence	Steep :		Other:	C Stans, wantway			
ı			7	F					
Ev	idence of Human Use	e*:							
	Roads	☐ Foot paths/pri	nts 🔲	Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks			
	☐ Rope swings	Camping Sites		Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle			
	Other:			NON	ie				
oth *Sc	ner items that may be o	of interest. (Included to direct intended to direct	ide photo tly influence	graphs) e a decision on any o	ment sites clearly labele	•			
	September 29, 2004	La	st printed 5/	17/2005 8:18 AM		Page 1			

Data Sheet B - Site Characterization

Page Two - WBID # 1000 002

Stream Morphology: Upstream View Physical Di	manciane:				
Riffle Width (ft):	Length (ft):	Avo D	epth (ft):	May	Depth (ft):
Run Width (ft):	Length (ft):		epth (ft):		Depth (ft):
Pool Width (ft): 75	Length (ft):				
Flow Present? Yes	No No		ted (ft³/sec):	1) 1	Depth (ft): 2 2 5
				NOT	W1 1901 447
Downstream View Physical	Dimensions:				
☐ Riffle Width (ft):	Length (ft):	Avg. D	epth (ft):	Max.	Depth (ft):
☐ Run Width (ft):	Length (ft):	Avg. D	epth (ft):	Max.	Depth (ft):
Pool Width (ft): 3 5	Length (ft):	150 Avg. D	epth (ft): 0.5°	Max.	Depth (ft): 13
Flow Present? Yes	□ No	Estimat	ted (ft³/sec):	1 No	ess urallr
Substrate*: (These values should a % Cobble / 6 %	dd up to 100%.) Gravel	0/ C	0/ Sit	0/36.1	UCI AND ALD I
76 Cobble 78 96	o Graver 1	% Sand /	09. % Silt	% Mud	/Clay 75 % Bedrock
Aquatic Vegetation*: (note amou	nt of vegetation	or algal growth at the	e assessment site)		
-1					
None					
<u> </u>			<u> </u>		
Water Characteristics*: (Mark	all that apply.)				
Odor: Sewage	☐ Musky	☐ Chemical	None	Ot	her:
Color: Clear	Green	☐ Gray	☐ Milky	Ot	her:
Bottom Deposit: Sludge	☐ Solids	Fine sedim		Ot	her:
Surface Deposit: Oil	Scum	Foam	None	☐ Oti	her:
*This information is not to be used sole comprehensive understanding of water decision on the regrestion use analysis.	ely for removal o conditions. Con	f a recreational use d	esignation but rather	r is to provided to directly	de a more y influence a
decision on the recreation use analysis					
I, the undersigned, hereby affin		of my knowled	ge, that all infor	mation re	ported on this UAA
datasheet is true and accurate.					v
Signed: Ker III. W	ule_	Dat	e: 7//2/0	15	
Signed: <u>M. Co</u> Organization: <u>Aqua Mis</u>	SOUV ?	Pos	setion: $\frac{7/z}{(ENV)}$	Coupi	liane MOR
September 29, 2004	Last prin	red 5/17/2005 8:18 A	M.		Page 2

Data Sheet B - Site Characterization
(A separate data sheet must be completed for each site)

	Missouri WBID #: 1000 - 003				Site Location Description: Of Klund Road - Creek Cross					
	Site GPS Coordinates:				Permit Number: MO 0088 986					
:	Date & Time: 7/12/0	65			Facility Name:	1. AILE Carnel				
	Personnel: Krhe D				Permit Number:	Permit Number: MO 0088 986				
	Current Weather Conditions:				Weather Conditions for Past 7 days: Dry Px gat 47615 Mon					
	Photo Ids: Upstream:106	0-003/ Dow	nstrea	m: 105	00 003 Other		1 Ages This mon			
		Ψ			00-11					
Us	es Observed*:									
	Swimming	Skin diving		□ sct	JBA diving	☐ Tubing	☐ Water skiing			
	☐ Wind surfing	☐ Kayaking		☐ Boa	ting	Wading	Rafting			
	☐ Hunting	☐ Trapping		☐ Fish	ing	None of the above	Other:			
	Describe: (include numbe	r of individuals rec	reating	, freque	ncy of use, photo-	documentation of evidence	e of recreational uses, etc.)			
				-						
Su	rrounding Condition	s*: (Mark all that p	romot	e or imp	ede recreational u	ses. Attach photos of evide	ence or unusual			
iter	ns of interest.)									
	☐ City/county parks	☐ Playgrounds	ΠМ	IDC con	servation lands	Urban areas	☐ Campgrounds			
	☐ Boating accesses	☐ State parks	□N	ational 1	orests	☐ Nature trails	☐ Stairs/walkway			
	☐ No trespass sign	☐ Fence	□ St	teep slop	oes	Other: None				
Ev	idence of Human Use			T						
	Roads	Foot paths/prin			ock/platform	Livestock Watering	RV / ATV Tracks			
	Rope swings	Camping Sites		Fi	re pit/ring	☐ NPDES Discharge	Fishing Tackle			
	☐ Other:	·····			None -					
	e Locations Map(s):					nent sites clearly labe	led. Mark any			
oth	ner items that may be o	f interest. (Inclu	ide ph	otogra	phs)					
*C-	of this information is n	:	41 : 6	l	4		1 * 1 .			
ma	ome of this information is n y point to conditions that no	eed further analysis	or that	t effect a	uccision on any o mother use.	ne particular recreational t	ise analysis but			
	, ,	,								
					,					
			İ							
	0 1 20 2001				/000 f 0 10 15 f		<u>.</u> .			
	September 29, 2004	Las	st print	ted 5/17/2005 8:18 AM			Page 1			

Data Sheet B - Site Characterization

Page Two - WBID # / 1000: 003

Stream Morpho					
Upstream Vie	w Physical L lth (ft):	······································	A.v. Danil	- (Δ).	M D 4 (0)
		Length (ft):	Avg. Depth		Max. Depth (ft):
	lth (ft):	Length (ft):	Avg. Depth		Max. Depth (ft):
	tth (ft): 16'	Length (ft):	SO Avg. Depth		
Flow Pres	sent? Yes	□ No	Estimated ((ft^3/sec) :	TOO (OW - NOT MEGSURA
Down stuces a	Viam Dhamia	. I Dii		7	TOO low - not measures
	th (ft):	Length (ft):	Avg. Depth	(f))	Max. Depth (ft):
	Ith (ft):				
		Length (ft):	Avg. Depth		Max. Depth (ft):
	lth (ft): 35	Length (ft):	75' Avg. Depth		Max. Depth (ft): 1, 2' Measurally
Flow Pres	sent?	☐ No	Estimated ((ft^3/sec) : V_O	Measu198/2
Substrate*: (The	ca valuec choul	dadd up to 100%			
% Col		% Gravel	% Sand	% Silt	% Mud/Clay \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
					300000
			or algal growth at the ass		
		None			
Water Characte	ristics*: (Mar	k all that apply.)			
Odor:	☐ Sewage		☐ Chemical	None	Other:
Color:	Clear	Green	☐ Gray	Milky	Other:
Bottom Deposit		☐ Solids	☐ Fine sediments		Other:
Surface Deposit	: Oil	☐ Scum	Foam	None	Other:
This information is comprehensive under	not to be used sestanding of wat	olely for removal o er conditions. Con	s (including information of a recreational use design sequently, this information of the conditions that need furt	gnation but rather on is not intende	d to directly influence a
, the undersign	ed, hereby af	firm to the best		·	mation reported on this UAA
latasheet is true	and accurat	e.		7/	/ _
Signed:	- ///. W	ub-	Date:	//2/	05
Signed:	Alua	Missouri	Positic	on: ENV.	Conglian MGR-
	1/014				

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: /6	100-004		Site Location D	Site Location Description: Scrivner ND - Credicosy				
Site GPS Coordinates:	Seemap -		1000	1000-009 —				
Date & Time: 7/12	105 3101	PM	Facility Name:	Facility Name: CAKe Carrel				
Personnel: KM	DB. THE	2	Permit Number	MO 0088986	,			
Current Weather Condi			Weather Condit	ions for Past 7 days:	Pxcgot Rain last Aigh			
Photo Ids: Upstream:	000-004 Do	wnstream:	Oche Othe		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			
Uses Observed*:								
☐ Swimming	☐ Skin diving		SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking		Boating	□ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	ПБ	ishing	None of the above	☐ Other:			
Describe: (include numl	oer of individuals red	creating, free	quency of use, photo,	documentation of evidence				
Describe: (include numl Surrounding Condition tems of interest.)					of recreational uses, etc.)			
Surrounding Condition		promote or i			of recreational uses, etc.)			
Surrounding Condition tems of interest.)	ns*: (Mark all that)	promote or i	mpede recreational u	ses. Attach photos of evide	of recreational uses, etc.)			
Surrounding Condition tems of interest.)	ns*: (Mark all that p ☐ Playgrounds	promote or i	mpede recreational u conservation lands al forests	ses. Attach photos of evided □ Urban areas	nce or unusual Campgrounds Stairs/walkway			
Surrounding Condition tems of interest.) □ City/county parks □ Boating accesses	ns*: (Mark all that) Playgrounds State parks Fence	oromote or i ☐ MDC o	mpede recreational u conservation lands al forests	ses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway			
Surrounding Condition tems of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that) Playgrounds State parks Fence	oromote or i ☐ MDC o ☐ Nation ☐ Steep s	mpede recreational u conservation lands al forests	ses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway			
Surrounding Condition tems of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that parks	Dromote or i	mpede recreational uconservation lands al forests lopes	ses. Attach photos of evided Urban areas Nature trails	of recreational uses, etc.) nce or unusual Campgrounds Stairs/walkway			

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

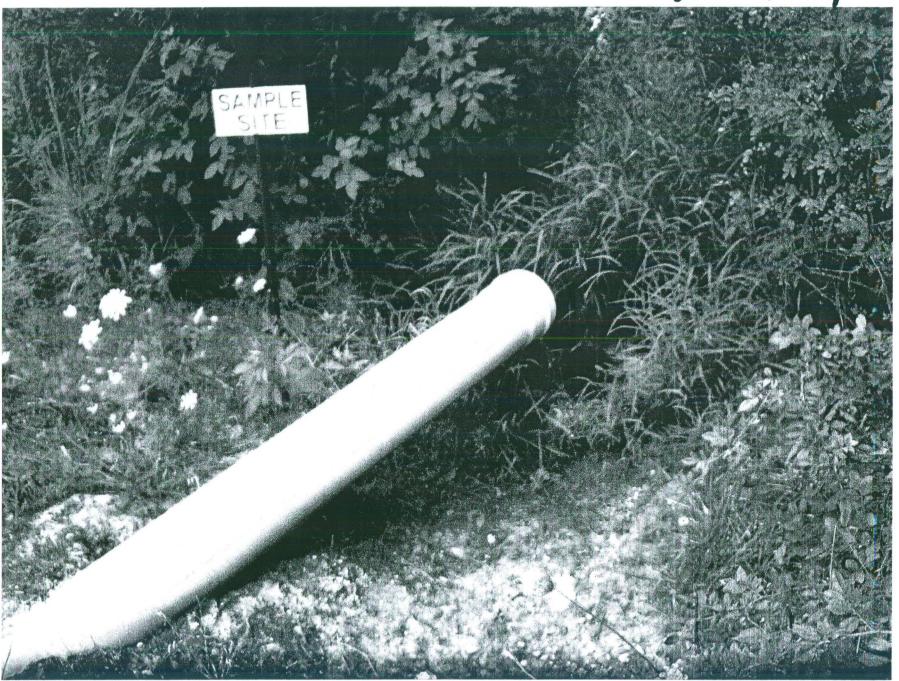
^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morph Upstream V		ysical Di	mensions:						
☐ Riffle W	Vidth (ft):		Length (ft):		Avg. Depth	ı (ft):	Max	. Depth (ft):	
□ Run W	Vidth (ft):		Length (ft):		Avg. Depth	ı (ft):	Max	. Depth (ft):	
N Pool W	Vidth (ft):	20'	Length (ft):	100'	Avg. Depth	(ft): /	Max	. Depth (ft):	٦.²′
Flow P	resent?	Yes	□ No		Estimated (ft ³ /sec):	N.+	Reaso	1916
Downstrean	n View	Physical	Dimensions:						
Riffle W	Vidth (ft):	6'	Length (ft):		Avg. Depth	(ft):6.2	Max	. Depth (ft):	
□ Run W	Vidth (ft):		Length (ft):		Avg. Depth	(ft):	Max	. Depth (ft):	
□ Pool W	Vidth (ft):		Length (ft):		Avg. Depth	(ft):	Max	. Depth (ft):	
☐ Flow P	resent?	Yes	□ No		Estimated (ft ³ /sec):	Not	neas	scalle
Substrate*: (T	hese valu		dd up to 100%.) Gravel	% San	d	% Silt	% Mu		% Bedrock
Vater Charact	teristics	······································	all that apply.)						
Odor:		Sewage	☐ Musky	□ Ch	emical	None	□ O:	ther:	·
Color:	<u>×</u>	Clear	☐ Green	□ Gr	ay	☐ Milky	□ O ₁	ther:	
Bottom Depos	sit: 🗆	Sludge	☐ Solids	☐ Fir	e sediments	None	□ O ₁	ther:	
Surface Depos	sit: 🗆	Oil	☐ Scum	□ Fo	am	None	□ O ₁	ther:	
Comments: Ple	ease atta	ich additi	onal comments	s (includi	ng informa	tion from int	erviews) t	o this form	
omprehensive und	derstandir	ng of water	ely for removal of conditions. Cons but may point to	sequently, t	his information	on is not intend	ed to directl	ly influence a	
, the undersign atasheet is tru	ie and a	accurate.		-	_			_	
igned:	//ce	· ///.	uu-	- Angelor -	Date:_	1/16	/03		
igned:	Agu	14 M	issouri	**************************************	Positic	on: <u>EM</u>	. Lou	pliare	MOR
	/			,					

September 29, 2004

1000 - 001

out fall

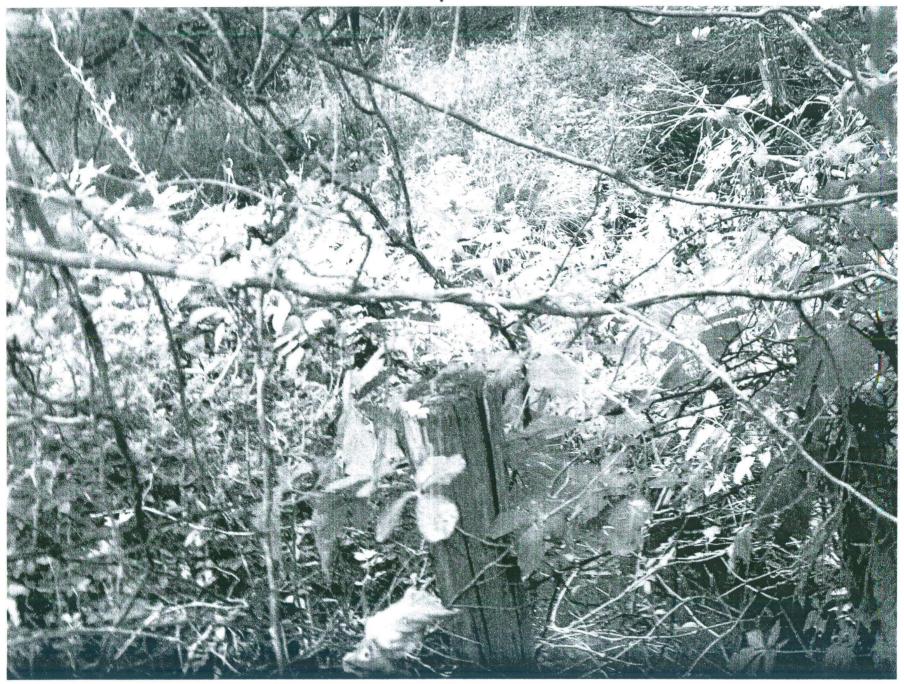


1000-001

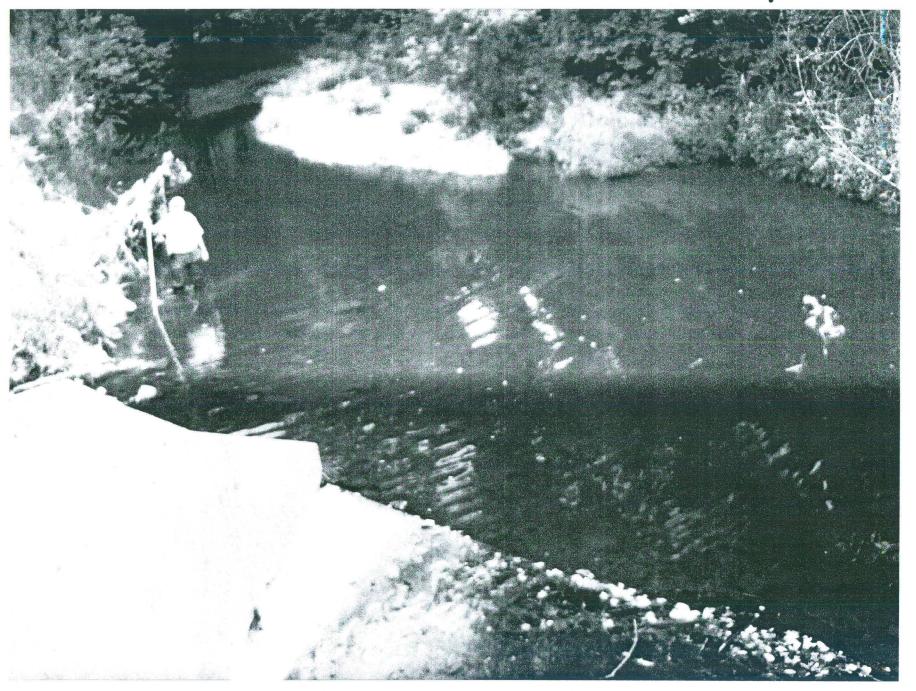
wp



1000-001 down

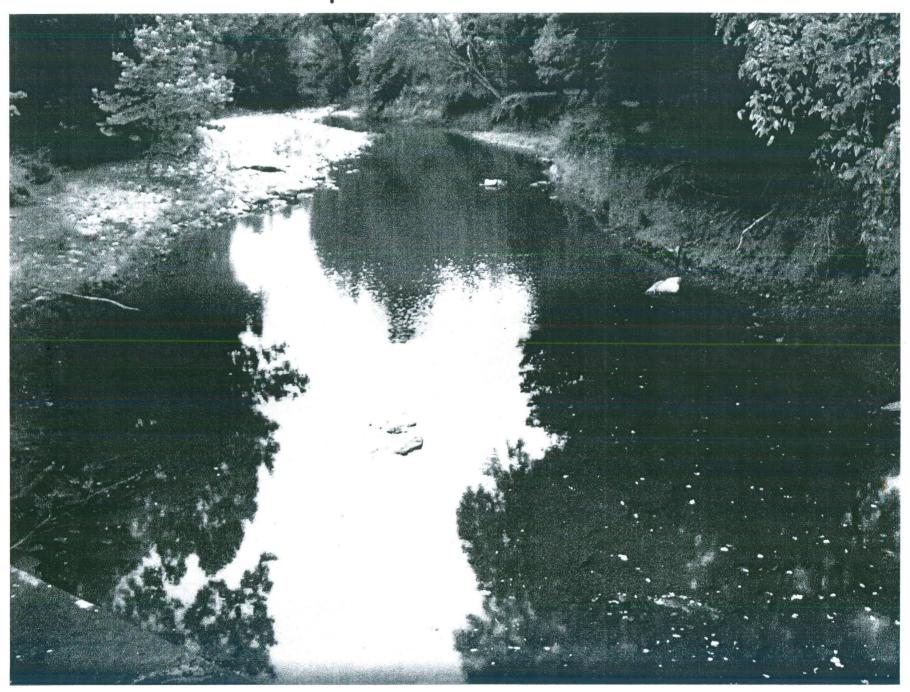


1000 -002 uf



1000 -002

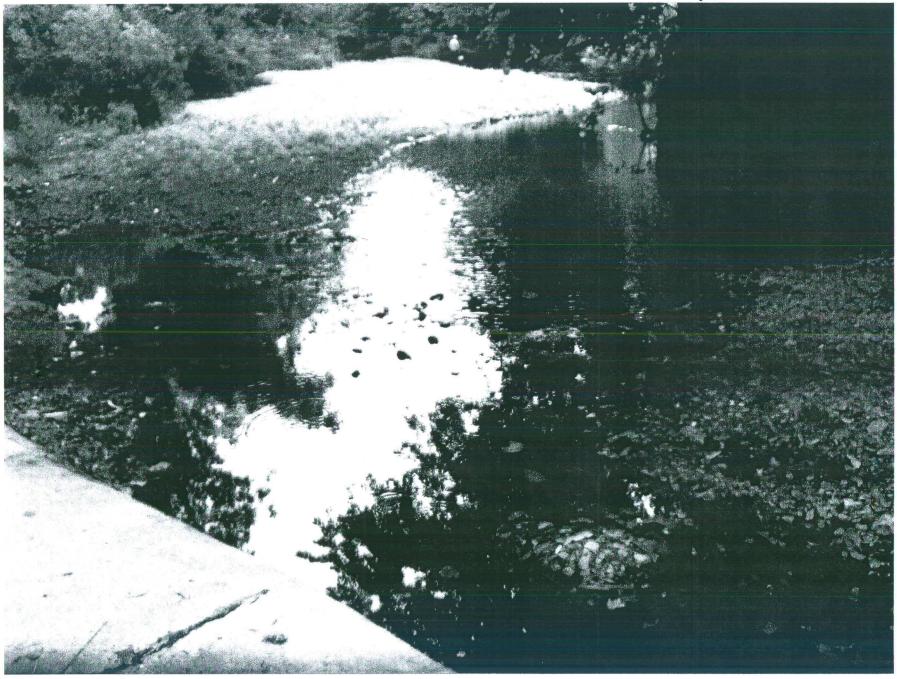
down



Aqua Mc

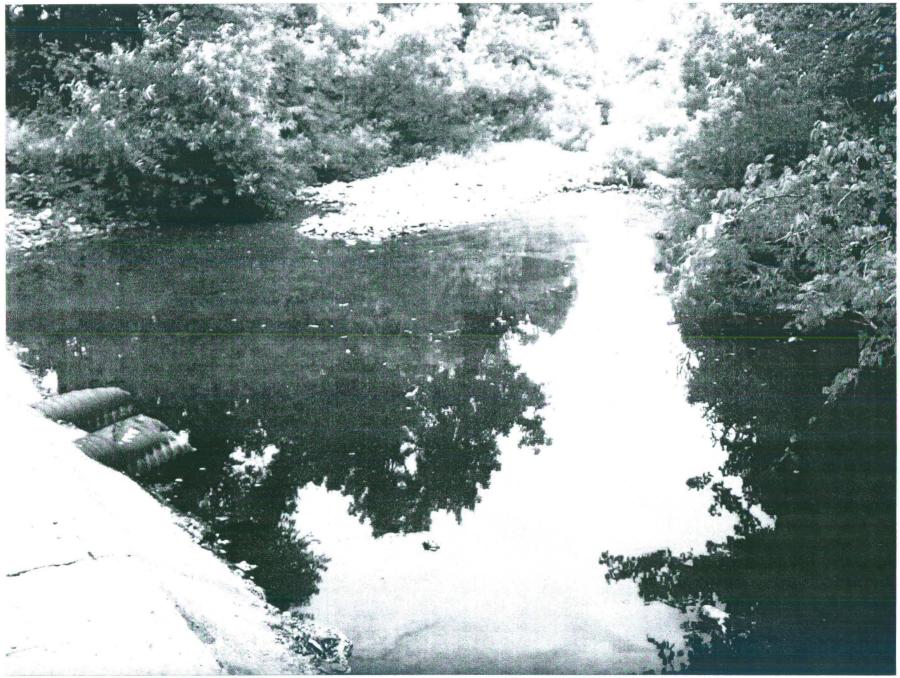
1000-003

-up



1000 -003

down



1000-004 - up



1000-004

down

